

QP Code : 202383

Reg . No.....

**Second Year M.Sc. MLT Degree Supplementary Examinations – June 2015  
(Biochemistry)**

PAPER – VI DIAGNOSTIC BIOCHEMISTRY, RECENT ADVANCES IN CLINICAL CHEMISTRY AND  
BIOSTATICS

**Time : 3 hrs.**

**Max. marks : 100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

**Essays:**

**(10x10 = 100)**

1. Mention the renal function tests. Explain the clearance tests and its clinical importance.
2. Explain the gastric function tests.
3. Explain the basic concept and importance of therapeutic drug monitoring . Enumerate the methods and indications for estimation of serum lithium levels.
4. Pathophysiology of diabetes mellitus.
5. Principle of electrochemistry techniques, and laboratory application.
6. Selection, sources of supply and techniques for assessing quality of chemicals and reagents in clinical laboratory.
7. Mention the sample rejection criteria in a clinical laboratory. Enumerate common sources of error in pre examination stage.
8. Biochemistry of ageing
9. Explain prions and molecular basis of Alzheimer's disease
10. How do you validate and evaluate a method in clinical laboratory. What are performance characteristics of an analytical method.

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